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**A process and an apparatus  
for  
stretching textile fibers**

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**Summary**

For the stretching of textile fibers, a new process is proposed, wherein a portion of the necessary force for stretching is exerted by at least one fluid (7), which is brought into contact with the fibers to be stretched in such a manner, that the said fluid (7) entrains the fibers (6) and brings to bear at least a portion of the necessary tensile force for the stretching thereof. The apparatus for the stretching of textile fibers includes a stretch chamber (1) in which the fibers are stretched, wherein an inlet apparatus (11) is located for the injection of at least one fluid (7) to fibers (6) being transported within said stretch chamber (1) and said inlet apparatus, together with the stretch chamber (1), is so constructed that the added fluid (7) imparts the necessary tensile force for the stretching to at least a portion of the fibers (6).

**Fig. 1**

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## ABSTRACT

For the stretching of textile fibers, a new process is proposed, wherein a portion of the necessary force for stretching is exerted by at least one fluid, which is brought into contact with the fibers to be stretched in such a manner that the fluid entrains the fibers and brings to bear at least a portion of the necessary tensile force for the stretching thereof.